

DEPARTMENT OF
DEFENSE, VETERANS AND EMERGENCY MANAGEMENT
Military Bureau
Joint Force Headquarters, Maine National Guard
Camp Keyes, Augusta, Maine 04333-0033

4 December 2015

TECHNICIAN POSITION VACANCY ANNOUNCEMENT #15-144

POSITION: Electronic Measurement Equipment Mechanic (D1201000) (WG-2602-10/11)
EXCEPTED POSITION

LOCATION: CSMS, Augusta, Maine

SALARY RANGE:

\$41,490 to \$48,398 per annum WG-10

\$43,660 to \$50,923 per annum WG-11

CLOSING DATE: 18 December 2015

AREA OF CONSIDERATION: AREA I- All permanent and indefinite Excepted Enlisted or Warrant Officer (**CW2 and below**) Technicians in the Maine Army National Guard and personnel with reemployment rights to MEARNG positions.

PERMANENT CHANGE OF STATION (PCS): PCS expenses may not be authorized for this position. Authorization for payment of PCS expenses will be granted only after a determination is made that payment is in the best interest of the Maine National Guard.

DUTIES: See attached duties and responsibilities.

QUALIFICATIONS: This position may be filled at the WG-10 or WG-11 grade. If filled at the WG-10 grade, the individual selected may be promoted to the next higher grade without further competition when it has been determined that the individual meets the qualifications required for promotion to the higher grade.

MINIMUM QUALIFICATION REQUIREMENTS: Each applicant must show how they meet the General and Specialized Experience listed below; otherwise, the applicant may lose consideration for this job.

GENERAL EXPERIENCE: Experience or training which demonstrates knowledge of equipment to be able to do routine jobs, simple preventative maintenance tasks, and is able to use common tools and equipment in the line of work.

SPECIALIZED EXPERIENCE: Must have nine (9) months experience for the WG-10 level, and fifteen (15) months experience for the WG-11 level which required the applicant to acquire and apply each of the following knowledge, skills, and/or abilities.

WG-10

1. Knowledge of theory necessary to perform the duties of an Electronic Measurement Equipment Mechanic.
2. Ability to install, maintain and repair various electronic measurement equipment.
3. Ability to troubleshoot malfunctions and determine causes of mechanical problems.
4. Skill in using precision instruments.
5. Ability to read and interpret technical manuals, illustrations, specifications, diagrams and schematics to make repairs and modifications.

WG-11

1. Ability to apply a comprehensive knowledge of operating electronic principles.
2. Skill in repairing and maintaining various electronic measurement equipment.
3. Ability to troubleshoot malfunctions and determine causes of mechanical problems.
4. Skill in using precision instruments.
5. Ability to read and interpret technical manuals, illustrations, specifications, diagrams and schematics to make repairs and modifications.

COMPATIBILITY CRITERIA: **WOBR:** 14, 25, 91, 94
CMF: 14, 25, 29, 94
MOS: 35T, 91F, 91G, 91X, 91Z

HOW TO APPLY: Detailed instructions are contained in an Instruction Guide titled “Technician Vacancy Announcement Guide” which should be posted with this vacancy announcement. Applicants may apply using the OF Form 612 Optional Application for Federal Employment, a resume, or any other format they choose. In addition to their basic application, applicants are strongly encouraged to complete ME Form 171, Military Experience and Training Supplement. Applications forwarded to HRO should be no more than eight (8) pages although additional pages may be submitted as necessary. Applications should include written or documented proof of education, training, and work experience deemed necessary to adequately respond to general and specialized experience factors listed in the TPVA. Professional licenses or education transcripts necessary to validate qualifications should be submitted as required in

the TPVA. Do not include photo copies of awards (a military ribbon rack or civilian certificate), letters of commendation, enlisted or officer performance reports, Technician performance appraisals, and personal photos unless specifically requested in the TPVA". Applications must be forwarded to: Joint Force Headquarters, ATTN: HRO, Camp Keyes, Augusta, Maine 04333-0033, NOT LATER THAN the closing date. Applications received AFTER the closing date WILL NOT BE CONSIDERED. The use of government envelopes, postage or facsimile machines to submit applications is prohibited. We are allowed to receive facsimiles sent from non-government facsimile machines. The inter-office distribution system may be used. You may also e-mail it to: ng.me.mearng.list.hro-applications@mail.mil

APPOINTMENT: Selectee will be required to participate in Direct Deposit/Electronic Funds Transfer as a condition of employment. The Adjutant General retains exclusive appointment authority for Technicians. No commitment will be made to any nominee prior to a review of qualifications by this office. The Maine National Guard is an Equal Opportunity Employer. All appointments and promotions will be made without regard to race, color, creed, sex, age or national origin.

DISSEMINATION: Supervisors/Commanders please post to bulletin boards, read at unit formations and notify personnel who may be interested. Qualified personnel who may be absent during this announcement period due to ADT, AT, TDY, school, illness, etc., should be notified.

WORK: DSN 430-6013/COM (207) 626-6013 FAX: DSN 626-4246/COM (207) 626-4246

FOR THE HUMAN RESOURCES OFFICER:

//s//
LISA M. SESSIONS
MAJ, AG
Human Resources Specialist
(Recruitment & Placement/Compensation)

25.

a. INTRODUCTION:

This position is located in the Joint Forces Headquarters—State, Logistics Directorate (J-4), Surface Maintenance Facility. The primary purpose of this position is to perform calibration, diagnostics repair, and certification of electronic, mechanical, and radiation Test Measurement and Diagnostic Equipment (TMDE).

b. DUTIES AND RESPONSIBILITIES:

(1) Calibrates and repairs TMDE within support capability and authority including various levels of calibration as designated in technical bulletins, manuals, etc. Performs functional electronic, physical, and radioactive testing involving interpretation and analysis of measurement data, in accordance with cyclic inspection requirements. Aligns, troubleshoots, tests, inspects, repairs, modifies, calibrates and certifies precision measurement equipment such as multimeters, microwave equipment, oscilloscopes, temperature analyzers, mercurial barometers, gage blocks and micrometer caliper dimensional equipment, digital voltmeters, signal generators, torque wrenches, pressure gauges, torque testers, weight scales, electronic counters, radiation monitors, radix calibrators, and radiation dosimeters. Analyzes and isolates component malfunctions; calculates and determines tolerances; and performs tests and calibrations in accordance with instructions, which are often vague and incomplete, and may require the preparation of diagrams and instructions to facilitate the calibration action.

(2) Sets up system test sets and various types of test equipment such as frequency meters, standing wave ratio meters, radio frequency (RF) power meters, function/ arbitrary waveform generator, distortion analyzers, time frequency work stations, oscillators, voltmeters, electronic counters, oscilloscopes, attenuators, decade resistors and capacitors, signal generators, stroboscope, tachometers, pneumatic and hydraulic pressure standards and other physical and electronic tests. Diagnoses equipment, makes repairs, and replaces defective parts/components such as integrated circuits, printed circuit boards, electronic condition coils, radiation detector boards/circuits, crystals, transistors, tubes, transformers, condensers, diodes, relays potentiometers, and related components.

(3) Following repair, tests by applying signals in known amplitude and wave shape into oscilloscopes to observe wave pattern. Isolates faults by taking measurements and comparisons in voltage, amperage, ohms, henries, power factor, watts, temperature, humidity, microns, foot-pounds, decibels, sensitivity, noise, stability, Voltage Standard Wave Ratio (VSWR), impedance, phase, absolute pressure, time intervals, displacement, flow rate, etc., to determine performance of equipment. If signal is distorted, traces it through electronic stages to locate malfunctioning part. Checks sweep rate by feeding known signal to an oscilloscope and observing wave pattern to correct shape and size. Operates equipment to complete range checking for proper operation of positioning controls. Adjusts with trimmer potentiometers; and if calibration is still not possible, adds or removes sufficient resistance to permit balancing of circuit. As needed, contacts the using organization to obtain information concerning the nature of the malfunction.

Uses equipment schematics to analyze circuits by preparing block diagram showing major components such as amplifiers, filters, oscillators and indicators.

(4) Determines purpose in operation characteristics of each major section. Refers to technical manuals and manufactures specifications to obtain information on operation characteristics of circuit components such as integrated circuits, microprocessors, decoders, latching networks, notch filters, logics, controllers, programmable gain amplifiers, digital displays, transistors, tubes, transformers, coils, relays, motors, and similar devices. Disassembles, cleans and inspects parts such as printed circuit boards, resistors, capacitors, integrated circuits, relays, chambers, cables, and wiring for evidence or wear or malfunction. Repairs and/or replaces parts as required. Uses special test devices and radioactive samples or other calibrated sources. Tests equipment for sensitivity and correct operation. Observes necessary precautions as stipulated in operational repair manuals. Makes radiation calculations/readings at various distances from the standard ensuring radiation equipment is operating in specified parameters. Performs contamination/radiation surveys on radiation equipment to control/eliminate radiation leakage/contamination.

(5) Completes necessary Army Maintenance Management System (TAMMS), calibration, radiation reports and other records and forms on work completed. Ensures maximum number of weapons systems are operationally ready. Uses TMDE Integrated Maintenance Management Systems (TIMMS) for all supported equipment to track, turn-in, repair, calibrate, and return to the end user in a timely fashion to prevent work stoppages. Furnishes technical data to the supervisor for inclusion in reports as well as recommending equipment improvement and solutions for unusual problems related to testing and the use of precision TMDE.

(6) Follows appropriate safety procedures, with special care being exercised while calibrating high voltage, radio frequency, radioactive sources and high-pressure instruments and gages. Performs and interprets wipe tests on radiation sources for possibility of radiation hazards. Familiar with and abides by all Federal and State regulations concerning handling, transportation and disposal of radioactive waste or devices.

(7) Performs other duties as assigned.